Engineer: Jack Curtis	Date: 6/25/02		Raythe	on			
Drawn: Jack Curtis	Date: 6/25/02	JPS Communications 5800 Departure Drive, Raleigh, NC 27616					
Checked: CTS	Date: 6/25/02	Title: ACU RADIO APPLICATION NOTES					
Approved: Revised	Date: 3/19/04	Size:	Dwg. #: 5961-271168-APP	Rev:	Sheet:	of	2

APPLIES TO: Ericsson-GE Orion Mobile (Dash-mount)
Ericsson-GE Orion Mobile (Trunk-mount)

RADIO MODIFICATIONS: None required

RADIO PROGRAMMING:

- 1. Mobile radios should normally be programmed for low transmit power.
- 2. Auxiliary Input 2 must be programmed as PTT. To program, first go to OPTIONS, then External I/O options. Go to Keycode and select Auxiliary Input 2. Scroll down and select EXPTT.

RADIO CONTROLS:

Adjust the Volume Control until the yellow "SIGNAL" indicator on the associated DSP Module flashes with receive audio. Should be about in the mid-range (12 o'clock) position.

CABLING:

Standard ACU-1000 and ACU-T Interface cables are made up of a 2 foot TRP Radio Tray Interface cable and the appropriate 13-foot Extension cable.

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ACU-1000 Interface Cable JPS P/N 5961-291171 (5961-271171 + 5961-261002-00)
ACU-T Interface Cable JPS P/N 5961-281171 (5961-271171 + 5961-281013-00)

TRP-1000 Shelf Interface Cable JPS P/N 5961-271171

RF Connector Type TNC

Trunk-Mount

ACU-1000 Interface Cable JPS P/N 5961-291168 (5961-271168 + 5961-261002-00) ACU-T Interface Cable JPS P/N 5961-271168 (5961-271168 + 5961-281013-00)

TRP-1000 Shelf Interface Cable JPS P/N 5961-271168

RF Connector Type TNC

DSP PROGRAMMING:

3*	0dBm*
6*	0dBm*
VOX*	
Active Low*	
4*	Flat*
2*	100 ms*
oe) 0*	No Delay*
0*	Off*
1*	Med1*
3*	775 ms*
1*	100 ms*
As needed	
	VOX* Active Low* 4* 2* 00* 11* 31* 11*

(*Indicates Default Value)

NOTES:

The ORION radio is furnished with an accessory cable which not only supplies auxiliary inputs and outputs, but is also used for normal functions such as Speaker, and/or DC Power. Therefore, the interface cable is designed to sandwich between the radio accessory connector and the ORION accessory cable, although it may be used to operate the ACU-1000 without attaching the ORION accessory cable.

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